

## WEST Search History

DATE: Wednesday, August 10, 2005

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	L4 and (active ester or thioeste or activated ester)	14
<input type="checkbox"/>	L4	L3 and (cycliz\$8 or macrocycliz\$8)	185
<input type="checkbox"/>	L3	L1 or L2	262
<input type="checkbox"/>	L2	non\$1 adj1 ribosomal adj3 peptide adj3 (synthase or synthetase) and thioesterase	62
<input type="checkbox"/>	L1	thioesterase and polyketide adj3 (synthase or thynthetase)	255

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 14 of 14 returned.

☐ 1. Document ID: US 20050124010 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 14

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050124010

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050124010 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting genome combining mutations and optionally repeating

PUBLICATION-DATE: June 9, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M	Rancho Santa Fe	CA	US	
Fu, Pengcheng	Lowrey Avenue	HI	US	
Wei, Jing	San Diego	CA	US	
Levin, Michael	San Diego	CA	US	
Latterich, Martin	Montellano Terrace, San Diego	CA	US	

US-CL-CURRENT: 435/7.23; 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20050069917 A1

L5: Entry 2 of 14

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050069917

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050069917 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: March 31, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 435/6; 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20050040550 A1

L5: Entry 3 of 14

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050040550

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050040550 A1

TITLE: High throughput screening for novel bioactivities

PUBLICATION-DATE: February 24, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 264/4.1; 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040077090 A1

L5: Entry 4 of 14

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077090

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040077090 A1

TITLE: Whole cell engineering by mutagenizing a substantial portion of a starting genome, combining mutations, and optionally repeating

PUBLICATION-DATE: April 22, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	

US-CL-CURRENT: 435/471; 435/252.3, 435/254.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 20020192773 A1

L5: Entry 5 of 14

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020192773  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020192773 A1

TITLE: Methods for preparation of macrocyclic molecules and macrocyclic molecules prepared thereby

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Walsh, Christopher Thomas	Wellesley	MA	US	
Trauger, John W.	Somerville	MA	US	
Kohli, Rahul Manu	Cambridge	MA	US	
Burkart, Michael D.	Boston	MA	US	
Maraheil, Mohammed A.	Marburg		DE	
Mootz, Henning Dieter	Haan		DE	
Schwarzer, Dirk	Marburg		DE	

US-CL-CURRENT: 435/117; 540/474

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20020150949 A1

L5: Entry 6 of 14

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150949  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020150949 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 435/7.1; 435/455, 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 20020127560 A1

L5: Entry 7 of 14

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020127560  
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020127560 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: September 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 435/6; 435/471, 435/7.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 8. Document ID: US 20020001809 A1

L5: Entry 8 of 14

File: PGPB

Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020001809

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020001809 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: January 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 435/6; 435/7.92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 9. Document ID: US 20010034040 A1

L5: Entry 9 of 14

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034040

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010034040 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: October 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Short, Jay M.	Rancho Santa Fe	CA	US
Keller, Martin	San Diego	CA	US

US-CL-CURRENT: 435/29

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 20010034031 A1

L5: Entry 10 of 14

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034031

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010034031 A1

TITLE: High throughput screening for novel enzymes

PUBLICATION-DATE: October 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Short, Jay M.	Rancho Santa Fe	CA	US	
Keller, Martin	San Diego	CA	US	

US-CL-CURRENT: 435/6; 435/7.21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 6872526 B2

L5: Entry 11 of 14

File: USPT

Mar 29, 2005

US-PAT-NO: 6872526

DOCUMENT-IDENTIFIER: US 6872526 B2

TITLE: High throughput screening for novel Bioactivities

DATE-ISSUED: March 29, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short, Jay M.	Rancho Santa Fe	CA		
Keller, Martin	San Diego	CA		

US-CL-CURRENT: 435/6; 435/252.33, 435/252.35, 435/471, 435/476, 435/484, 435/486

## ABSTRACT:

Disclosed is a process for identifying clones having a specified activity of interest, which process comprises (i) generating one or more expression libraries

derived from nucleic acid directly isolated from the environment; and (ii) screening said libraries utilizing a fluorescence activated cell sorter to identify said clones. More particularly, this is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; (ii) exposing said libraries to a particular substrate or substrates of interest; and (iii) screening said exposed libraries utilizing a fluorescence activated cell sorter to identify clones which react with the substrate or substrates. Also provided is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; and (ii) screening said exposed libraries utilizing an assay requiring co-encapsulation, a binding event or the covalent modification of a target, and a fluorescence activated cell sorter to identify positive clones.

42 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 12. Document ID: US 6806048 B2

L5: Entry 12 of 14

File: USPT

Oct 19, 2004

US-PAT-NO: 6806048

DOCUMENT-IDENTIFIER: US 6806048 B2

TITLE: Method for high throughput screening of an environmental library

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		
Keller; Martin	San Diego	CA		

US-CL-CURRENT: 435/6; 435/29, 435/69.1, 435/7.2

ABSTRACT:

Disclosed is a process for identifying clones having a specified activity of interest, which process comprises (i) generating one or more expression libraries derived from nucleic acid directly isolated from the environment; and (ii) screening said libraries utilizing a fluorescence activated cell sorter to identify said clones. More particularly, this is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; (ii) exposing said libraries to a particular substrate or substrates of interest; and (iii) screening said exposed libraries utilizing a fluorescence activated cell sorter to identify clones which react with the substrate or substrates. Also provided is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; and (ii) screening said

exposed libraries utilizing an assay requiring co-encapsulation, a binding event or the covalent modification of a target, and a fluorescence activated cell sorter to identify positive clones.

15 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 13. Document ID: US 6602675 B2

L5: Entry 13 of 14

File: USPT

Aug 5, 2003

US-PAT-NO: 6602675

DOCUMENT-IDENTIFIER: US 6602675 B2

TITLE: High throughput screening of mycelia for bioactivities or biomolecules

DATE-ISSUED: August 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		
Keller; Martin	San Diego	CA		

US-CL-CURRENT: 435/7.32; 435/4, 435/7.4

ABSTRACT:

Disclosed is a process for identifying clones having a specified activity of interest, which process comprises (i) generating one or more expression libraries derived from nucleic acid directly isolated from the environment; and (ii) screening said libraries utilizing a fluorescence activated cell sorter to identify said clones. More particularly, this is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; (ii) exposing said libraries to a particular substrate or substrates of interest; and (iii) screening said exposed libraries utilizing a fluorescence activated cell sorter to identify clones which react with the substrate or substrates. Also provided is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; and (ii) screening said exposed libraries utilizing an assay requiring co-encapsulation, a binding event or the covalent modification of a target, and a fluorescence activated cell sorter to identify positive clones.

10 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 14. Document ID: US 6174673 B1

L5: Entry 14 of 14

File: USPT

Jan 16, 2001

US-PAT-NO: 6174673

DOCUMENT-IDENTIFIER: US 6174673 B1

TITLE: High throughput screening for novel enzymes

DATE-ISSUED: January 16, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Encinitas	CA		
Keller; Martin	San Diego	CA		

US-CL-CURRENT: 435/6; 435/320.1, 435/440, 435/471, 435/476, 435/69.1

## ABSTRACT:

Disclosed is a process for identifying clones having a specified activity of interest, which process comprises (i) generating one or more expression libraries derived from nuclei acid directly isolated from the environment; and (ii) screening said libraries utilizing a fluorescence activated cell sorter to identify said clones. More particularly, this is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; (ii) exposing said libraries to a particular substrate or substrates of interest; and (iii) screening said exposed libraries utilizing a fluorescence activated cell sorter to identify clones which react with the substrate or substrates. Also provided is a process for identifying clones having a specified activity of interest by (i) generating one or more expression libraries derived from nucleic acid directly or indirectly isolated from the environment; and (ii) screening said exposed libraries utilizing an assay requiring co-encapsulation, a binding event or the covalent modification of a target, and a fluorescence activated cell sorter to identify positive clones.

23 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L4 and (active ester or thioeste or activated ester)	14

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